

Studies on the Lichens of Japan (X)*

By

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佐藤正己：日本產地衣類ノ研究（其十）

A new Section and Species of the Genus *Lecidea*

Lecidea Sect. *Tonniopsis* SATÔ, sect. nov.

Thallus bullato-inflatus depresso-subglobosus, rosulas parvas formans, distincte corticatus; medulla alba, ex hyphis laxe intricatis formata, gonidiis protococcoidis subglobosis praedita; subtus hypothallo nigro confluens. Apothecia sessilia, subbiatorina, rotunda; excipulum extus fuscescens, intus fere decolor, non carbonaceum; hymenium decolor; hypothecium leviter coloratum; paraphyses filiformes, simplices, esepatae; asci cylindrici, 8 spori; sporae decolores, simplices, ellipsoideae vel oblongae, membrana tenui cinetae.

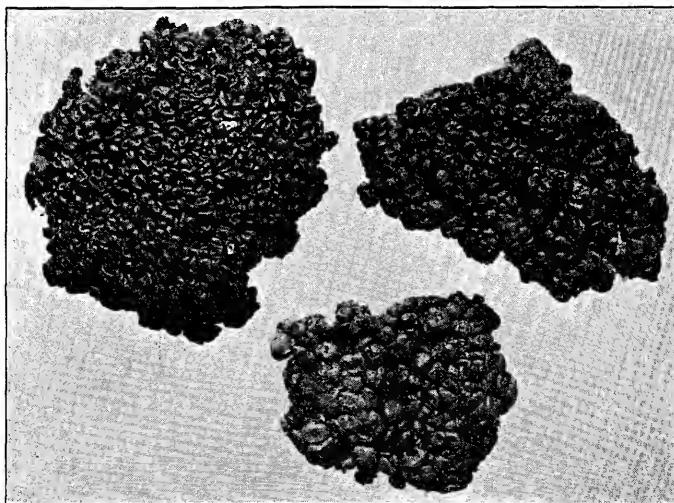


Fig. 27. *Lecidea Fujikawae* SATÔ. Type specimen ($\times 1/1$).

* Contribution from the Laboratory of Systematic Botany (Prof. T. NAKAI) of the Botanical Institute, Faculty of Science, Tokyo Imperial University.

In structura apotheciorum ad *Lecideam* ACH. affinis, sed thallo bullato inflato et distinete corticato ab ea differt. Ex *Tonnia* (MASS.) TH. FR. sporis simplicibus distat.

Lecidea (Sect. *Tonniopsis*) Fujikawae SATô, sp. nov.

Thallus pallide vel nigro-fuscescens, bullato-inflatus et depresso-subglobosus, basi leviter constrictus, usque ad 4 mm. latus. rosulas ad 5 cm. latas formans, laevis, nitidulus, isidiis et sorediis destitutus, cortice 45–50 μ crasso decolore praedita; medulla alba, ex hyphis laxe intricatis formata. gonidiis protococoidis subglobosis ca. 7 μ latis praedita, I immutata; subtus hypothallo nigro confluens. Apothecia sessilis, rotunda, 0.5–0.8 mm. lata, disco nigro primum plano demum convexo et margine integro ornata; excipulum extus fuscescens sed nonnihil carbonaceum, intus fere decolor; hymenium ca. 70 μ altum, superne pallide fuscescens, caeterum decolor, I coerulescens dein vino rubens; hypothecium pallide fuscescens, cum excipulo confluens; paraphyses filiformes, 1.5 μ crassae, simplices, esepatae, apice haud incrassatae; asci cylindrici, 8 spori; sporae in ascis subbiseriales, decolores simplices ellipsoideae vel oblongae, 10–11 μ longae. et 4–5 μ latae, membrana tenui cinctae. Pyrenidia et pyrenoconidia non visa.

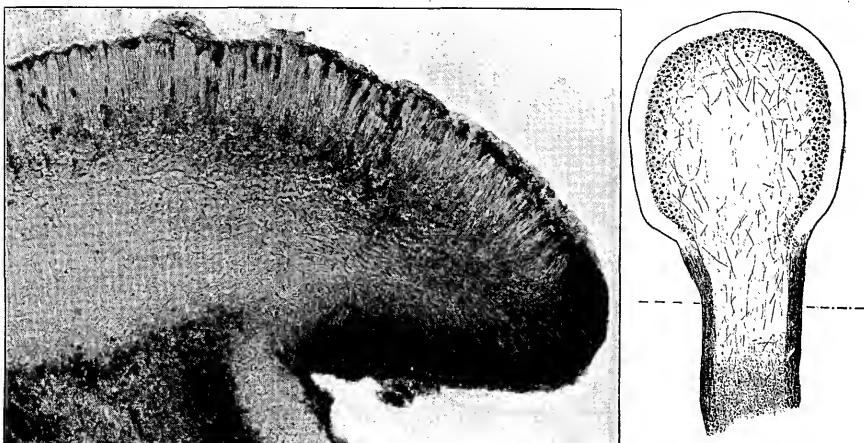


Fig. 28. *Lecidea Fujikawae* SATô. Longitudinal section of apothecium (left) and thallus (right).

Habitu proxima ad *Buelliam pulchellam* (SCHRAD.) TUCK., sed thallo fuscescente et sporis simplicibus decoloribus ab ea differt.

Hab. Ad saxa non calcarea, prope Todai, Prov. Sinano (F. FUJIKAWA, Oct. 15, 1935.—Typus in Herb. Univ. Imp. Tokyo., no. 241).

昭和十年十月中旬=藤川福二郎氏ハ寸暇ヲ利用シテ信州千丈ケ岳=地衣類採集=行キ多數ノ立派ナ標本ヲ得ラレタガ、ソノ中デ特ニ珍品トシテ著者ニ示サレタモノハ全ク今迄見タコトノナイモノナノデ、他ノ仕事ヲ投出シテ色々ト調べテ見ルト實ニ珍ラシイモノデ、タマニ新種デアルダケデナクソノ分類上ノ位置ガ相當ニ問題ニナツテクル種類デアル。著者ハ最初ハ新屬デハナイカトサヘ考ヘタノデアルガ、朝比奈博士ノ御意見ニ從ツテ在來ノヘリとりごけ属ノ一新節トスルコトニシタ。

本種ハ圖ニ示シタヨウニ地衣體ガ小サクビレテキテ、一寸 *Buellia pulchella* (SCHRAD.) TUCK. =似テキルガ、本種ハ無色一室ノ胞子ヲ有シテキルノデ問題ナク區別セラレ、尙又地衣體ハ前者ガ美シイ黃色ヲ呈スルニ反シテ淡褐色又ハ黒褐色ヲナシ、且コノ一塊ノ地衣體ハ實ハーツヅヽバラバラニ離レル球狀ノ小體ヨリ成ルノデアル。子器ノ構造、胞子ノ性質カラ云ヘバ何ト云ツテモ本種ハヘリとりごけ属 (*Lecidea* ACH.) ノモノデアルガ、斯様ニ特異ナ地衣體ヲ持チ、然モ $50\ \mu$ モアル厚イ立派ニ分化シタ皮層ヲモツ種類ハ在來ノヘリとりごけ属地衣ニハ見ラレナイノデドウシテモ新節ヲ立テ、區別シナケレバナラナイ。コノヘリとりごけ属ヲ代表者トスルヘリとりごけ科 (*Lecideaceae*) ニハ *Tonnia* MASS. ト云フ屬ガアツテ多少袋狀ニ膨レ、明瞭ナ皮層ヲモツ一群ガアルガ、此屬ノ地衣ハ長形又ハ桿狀デ 2 乃至多室ノ胞子ヲ持ツテキルノデ異ル。胞子ガ多室デアル點デヘリとりごけ属カラ區別サレテキル本屬ニコノ新種ヲ入レルコトハ屬ノ特徵ノ重大ナ變更ニナリ妥當デナイカラ、本屬ニ類似シテキルト云フ意味ヲモツ *Tonniopsis* ト云フ新節ヲヘリとりごけ属ニ設ケテコノ問題ノ珍種ヲ始末スルコトニシタイ。

